

PRODUCT PERFORMANCE / EFFICACY REVIEW

Mark Suarez, Entomologist - IB

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18 June 2008

DATE: 18 June 2008

EPA REG. NUMBER: 62719-LOU

PRODUCT NAME: GF-1935

REGISTRANT: Dow AgroSciences, LLC.

PM: George LaRocca, PM 13

REVIEWER: Bonaventure Akinlosotu

DECISION #.: 386901

DP BARCODE: 348144

ACTION: R310

ACTIVE INGREDIENT(S): 110003, Spinosad.....6.25%

TYPE: Mosquito Larvicide

OPPTS GUIDELINE(S): 810.3000

MRID: 47297003 Submitted GLP? No.

SITES & PESTS Mosquitoes Outdoors

LABEL APPLICATION RATE: Water (non- or low-flow), < 2 ft deep:
1 tablet/100 ft² surface area
Catch basins: 1 tablet/ basin
Small contained sites: 1 tablet/site

STUDY APPLICATION RATE: 1 tablet/200 ft² surface area of water (12" deep, no flow)

ENTOMOLOGIST'S COMMENTS AND RECOMMENDATIONS:

Simulated field trials were run in small pools of pond water. Three pools containing 380 gallons of each treatment pools and control pools were filled with pond water 1' deep, with a surface area of 200 ft². On the study initiation date, the treatment pools were dosed with an application of GF-1935 briquettes equivalent to 1 briquet/100 ft² of 2' deep water. Control pools remained untreated. Trials were run over the course of 6 months, which required that the pools be intermittently replenished with water to maintain a constant volume.

Over the course of the trial, 20 mosquito larvae [*Culex quinquefasciatus*, except 169 DAT exposure (*Aedes aegypti*); all 3 or 4°] per replicate were caged and placed into the pools on Days 6, 18, 31, 47, 63, 101, 103, 167, 169, 179, 182, & 186 after study initiation. The mortality was recorded 72 hours later.

The product appeared to provide adequate control of larvae through 180 DAT under the extremely controlled conditions.

The study did not include the raw data sheets and tests were not fully adequate to evaluate the product against multiple mosquito genera.

The label claims are acceptable contingent upon the submission of confirmatory data within 3 years of the data of registration confirming that the product is efficacious against additional mosquito genera (*Aedes* and *Anopheles*) and the submission of the raw data associated with MRID 47297003.

Enclosure
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